

## SECTION 320

### UTILITY AND MONUMENT ACCESS COVER ADJUSTMENTS

#### 320.1 GENERAL

It is essential that the location of all access covers shall be known and that accessibility to operational utilities shall be maintained during paving operations.

#### 320.2 REFERENCES

#### 320.3 PRE-CONSTRUCTION

320.3.1 Prior to the placement of street paving materials the ENGINEER and the CONTRACTOR shall separately record in written form the locations of all existing utility and monument access covers within the construction area. Recordings shall be coordinated between the ENGINEER and CONTRACTOR.

320.3.2 The ENGINEER shall notify the City Surveyor that there are survey reference markers in the construction area that may be damaged or destroyed during paving operations.

320.3.3 During the pre-construction conference the ENGINEER shall advise all the utility representatives that access cover adjustments may be required. The ENGINEER shall be advised by the representatives as to the actions planned for the cover adjustments.

#### 320.4 ACCESS COVER ADJUSTMENTS

320.4.1 WATER VALVE BOXES: Grade and adjustments of valve boxes will be made in accordance with Standard Detail Drawings.

320.4.2 MANHOLES: Grade adjustments to manholes may be made by utilizing adjustment rings, by adding or subtracting layer(s) of bricks, or by adding or subtracting to the barrel of the manhole. See Standard Detail Drawings.

320.4.3 MONUMENTS: Several types of monument containers and covers would basically require removal of the container and resetting to new elevations or the possibility of using an adjustment ring. Currently the City is using surface type markers at new construction sites. These markers can be raised or lowered by an adjusting bolt. City Surveyor's responsibility.

320.4.4 TRAFFIC OR FIRE ALARM SYSTEM BOXES: The traffic or fire alarm system

boxes are of the pull box configuration and are normally located outside of the paved area. Any required grade adjustment would be made by removal and relaying the box.

320.4.5 OTHER UTILITIES: For grade adjustments to access covers of other utility company facilities, the ENGINEER shall contact the concerned utility as to their requirements. Any details will be shown on the construction plans.

#### 320.5 TIME OF ADJUSTMENT

320.5.1 NEW PAVING: Prior to placement of surface course all access covers shall be adjusted to final grade.

320.5.2 OVERLAY HEATER REPAVING OR OTHER TYPES OF RESURFACING

320.5.2.1 Generally overlay, heater repaving or other types of resurfacing occur in a developed area. Therefore, it is essential that all utility access cover locations be recorded as specified in Subsection 320.3.1.

320.5.2.2 If the CONTRACTOR elects to remove valve boxes, valve covers, manhole rings, or other access covers which may interfere with the milling operation, the CONTRACTOR shall replace these items immediately after the passage of the milling equipment. Under no circumstances will these openings remain covered with a flat wood or metal barrier and a paving section material for more than 8 hours after milling.

320.5.3 SURFACE SEALS: Surface sealing occurs in developed areas; therefore, access covers shall be exposed as soon as sealed surface permits vehicle access to the area. Removal of any sealing materials from covers shall be completed within two working days after application.

#### 320.6 MEASUREMENT AND PAYMENT

Depending upon the type of street improvement being constructed the following measurements and payment shall be used:

320.6.1 For new street paving there will be no payment made for adjustments of the access covers in order to position them at the proper elevations.

320.6.2 When the work consists of overlay, slurry seal or heater remix

resurfacing, the access cover adjustments may involve specific methods for various types of covers. Payment shall be made as specified in the Bid Proposal.

320.6.3 If a form of surface seal (1/4" or less in applied thickness) is used, grade adjustments should not be necessary. All access cover surfaces shall be exposed immediately after application of treatment. No separate payment will be made.